



TONE

SIGNAL

3 5 7 9 30  
Bx Tx ROG PA

19

AMSTRAD  
CB 9000  
CB 27/81

VOLUME

SQUELCH RF GAIN PA-CB ROG CHN 9

CHANNEL SELECTOR



HUAWEI P10  
LEICA DUAL CAMERA



SER. NO.  
MADE IN JAPAN  
DC 120V  
SPECIFICATION MPT1320  
MADE TO UK HOME OFFICE  
AMSTRAD CB 901

10dB ATT  
ON  
OFF



HUAWEI P10  
LEICA DUAL CAMERA



ON 1/22  
MATCH MARK  
720 201  
GAIN 100  
GAIN 100  
GAIN 100  
GAIN 100

OO HUAWEI P10  
LEICA DUAL CAMERA



HUAWEI P10  
LEICA DUAL CAMERA



HUAWEI P10  
LEICA DUAL CAMERA



HUAWEI P10  
LEICA DUAL CAMERA





TONE

SIGNAL

3 5 7 9 +30  
Rx Tx ROG PA

11

AMSTRAD  
CB 90

CB  
'81

RF GAIN

PA-CB

RF GAIN

PA-CB

ROG

CHN  
9

VOLUME









10dB ATT  
□ ON  
- OFF

AMSTRAD CB 901  
MADE TO UK HOME OFFICE  
SPECIFICATION MPT1320  
DC 12.0V  
MADE IN JAPAN  
SER. NO. 38614

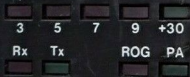




TONE



SIGNAL



3

5

7

9

+30

Rx

Tx

ROG

PA



AMSTRAD

CB 901

CB  
27/81

VOLUME



• off

SQUELCH



RF GAIN



PA-  
CB



ROG



CHN  
9



CHANNEL SELECTOR

TONE



SIGNAL



AMSTRAD

CB  
27/81

CB 901



CHANNEL SELECTOR

VOLUME



• off

SQUELCH



RF GAIN



PA-  
CB



ROG



CHN  
9









AMSTRAD CB 901  
MADE TO UK HOME OFFICE  
SPECIFICATION MPT1320  
DC 12.0v  
MADE IN JAPAN

SER. NO. 10007

10 dB ATT  
□ ON  
■ OFF



AMSTRAD      CB 901  
MADE TO UK HOME OFFICE  
SPECIFICATION MPT1320

DC 12.0v

MADE IN JAPAN

SER. NO. 10607

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AMSTRAD  
CB 901

CHANNEL SELECTOR

• off

SIGNAL

3

Rx

5

Tx

7

9

+30

PA

Sf

RF

PA-  
CB

ROG

CHW  
9



## CB 901

- 40 CHANNELS
- LED CHANNEL INDICATOR
- OUTPUT/SIGNAL METER
- ROGER BLEEP ● RF GAIN
- SQUELCH ● TONE CONTROL
- SOCKET FOR EXTERNAL SPEAKER AND P.A. SYSTEM



AMSTRAD CB 901

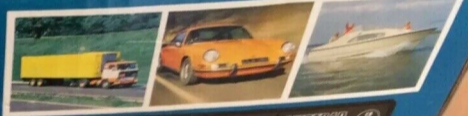


## CB 901

- 40 CHANNELS
- LED CHANNEL INDICATOR
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- SQUELCH ● TONE CONTROL
- SOCKET FOR EXTERNAL SPEAKER AND P.A. SYSTEM

# AMSTRAD

## CB901









TONE

SIGNAL

3 Rx 5 Tx 7 9 +30 PA

VOLUME

SQUELCH

RF GAIN

PA-CB

ROG

CHN 9

AMSTRAD  
CB 901

CB  
27/81

CHANNEL SELECTOR

# CITIZENS' BAND RADIO LICENCE APPLICATION

**To obtain your licence turn to the licence form underneath  
USE A BALL POINT PEN AND,**

1. Indicate how many sets you intend this licence to cover.
2. If this is a renewal place a tick in the box provided.
3. Leave the expiry date and fee to be entered by the clerk.
4. Enter IN CLEAR BLOCK CAPITALS keeping within the boxes provided:—
  - a. Your title (By deleting Mr. or Ms. as appropriate) followed by the initials of your forenames
  - b. Your surname
  - c. Full postal address including postcode. Enter each line of your address on a separate line where possible.  
**YOUR POSTCODE IS IMPORTANT PLEASE ENTER IT.**
5. Unless the licence is to cover more than 15 sets, hand the complete form together with the fee as prescribed at the time of application to the clerk. Cheques should be made payable to the 'Post Office' and crossed A/c payee. If you wish to pay by National Girobank transfer use one of your personal transfer Postmaster's account number to be entered in the credit section.
6. If you need this licence to cover more than 15 sets postal application your remittance to— CB Licensing Unit, Cherwynd House, Chesterfield, C

## WARNING

Before leaving the counter you should ensure that your licence is stamped and that it bears the appropriate licence fee stamp/s and date stamp.

AMSTRAD CONSUMER ELECTRONICS LTD.  
1-7 GARMAN ROAD  
TOTTENHAM  
LONDON, N17 0UF

GUARANTEE SERVICE

Apply  
Stamp

SERVICE MANAGER

AMSTRAD CONSUMER ELECTRONICS LTD.  
1-7 GARMAN ROAD  
TOTTENHAM  
LONDON, N17 0UF







10dB ATT  
ON  
OFF

AMSTRAD CB 901  
MADE TO UK HOME OFFICE  
SPECIFICATION MPT 1320  
DC 12.0V  
MADE IN HONG KONG  
SER. NO. 704913





TONE

SIGNAL

AMSTRAD  
CB 901

CB  
27/81

3 5 7 9 +30  
Rx Tx ROG PA

VOLUME

SQUELCH

RF GAIN

PA-CB

ROG

CHN  
9

.off

CHANNEL SELECTOR

AMSTRAD



CITIZEN BAND RADIO

**AMSTRAD**

**CB-901**

**SERVICE MANUAL**



# **Transmitter Alignment**

## **CRYSTAL OSCILLATOR ALIGNMENT 10.240MHz**

Connect Frequency counter to Pin 11 of U1 through 100pF Ceramic Capacitor  
Adjust L2 for 10.240000MHz +/- 50Hz.

## **VCO ALIGNMENT**

Set radio to channel 1  
Measure voltage between R6/C9 junction and ground  
Adjust T1 to read 2.0V  
Set radio to Transmit  
Adjust CT1 to read 2.0V.  
Set radio to channel 40 (TX)  
Check for voltage of 4 to 5V

## **RF POWER ALIGNMENT**

Set radio to channel 20  
Set 10dB attenuator switch at 'IN' position.  
Preset cores of T2, T3 and T4 3 turns inside from top  
Preset core of L4 1 turn counter-clockwise from the bottom  
Preset L8 1 turn outside the top  
Set unit to Transmit  
Adjust T2, T3, T4, L4 and L8 for maximum output on oscilloscope and wattmeter

## **RF POWER CHECK**

Set radio to channel 20  
Set radio to transmit  
Check power output is between 3.7W and 4.0W  
Check that current drain is less than 1.6A.  
Put attenuation switch to 'out' position  
Check output power is between 0.2W and 0.4W  
Check that current drain is less than 0.7A.  
Repeat the steps above for channel 1 and channel 40

## **FREQUENCY ALIGNMENT**

Set radio to channel 20  
Set unit to Transmit  
Adjust L2 to obtain 27.79125MHz +/- 300hz  
Check channel 1 for 27.60125MHz +/- 300hz  
Check channel 40 for 27.99125Mhz +/- 300hz

## **MODULATION ALIGNMENT**

Set radio to channel 20  
Set radio to Transmit  
Apply 3mV @ 1.25kHz audio input to mic socket  
Adjust RV3 for deviation for between 0.8kHz and 1.0kHz.

## **RF METER ALIGNMENT**

Set 10dB switch out  
Set unit to Transmit  
Adjust RV1 to light red LED number 5.  
Set 10dB switch in  
All LEDs should now be lit.

## **Receiver Alignment**

### **RECEIVER SENSIVITY ALIGNMENT**

Set radio to channel 20  
Connect voltmeter to RV2  
Inject signal of 27.79125MHz with RF input signal of 4uV @ 1kHz +/- 1.5kHz deviation  
Adjust T5, T6, T7, T8, T9, T10 for maximum voltage reading  
Reduce RF input signal to zero  
Adjust T11 for max noise output at speaker  
Apply 1mV RF input signal and re-adjust T11 for max audio output and minimum distortion

### **SQUELCH ALIGNMENT**

Set squelch control to maximum (clockwise)  
Set RF gain control to maximum (clockwise)  
Apply 7uV RF signal with 1kHz +/- 1.5kHz deviation  
Adjust RV5 so that output from speaker just disappears

### **S METER ALIGNMENT**

Set radio to channel 20  
Apply 100uV from signal generator  
Adjust RV2 so that green LED lights.

# CB901 CIRCUIT DIAGRAM

